



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/926,007	09/24/2001	Mitsuhiro Nishibe	211391US6PCT	6624
22850	7590	10/19/2007		
OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, P.C. 1940 DUKE STREET ALEXANDRIA, VA 22314			EXAMINER LEE, PHILIP C	
			ART UNIT 2152	PAPER NUMBER
			NOTIFICATION DATE 10/19/2007	DELIVERY MODE ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

patentdocket@oblon.com  
oblonpat@oblon.com  
jgardner@oblon.com

## Office Action Summary

Application No.

09/926,007

Applicant(s)

NISHIBE ET AL.

Examiner

Philip C. Lee

Art Unit

2152

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 26 July 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_.

Art Unit: 2152

1. This action is responsive to the amendment and remarks filed on July 26, 2007.
2. Claims 1-8 are presented for examination and claim 9 is canceled.
3. The text of those sections of Title 35, U.S. code not included in this office action can be found in a prior office action.

*Claim Rejections - 35 USC 112*

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. Claims 1-8 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

- a. The following terms lack proper antecedent basis:

- i. the application - claims 1, 4, 5, 6, 7 and 8.

*Claim Rejections – 35 USC 103*

6. Claims 1-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bayer et al, U.S. Patent 6,311,190 (hereinafter Bayer), Kalpio et al, U.S. Patent 6,343,323 (hereinafter

Art Unit: 2152

Kalpio), and Shrader et al, U.S. Patent 6,374,359 (hereinafter Shrader) in view of Byrne, U.S. Patent 6,223,288 (hereinafter Byrne).

7. Bayer, Kalpio, Shrader and Byrne were cited in the last office action.

8. As per claims 1 and 4-5, Bayer taught the invention as claimed comprising:

first recording means for recording user registration form data for displaying a picture for inputting user profile data specifying a user for registration, in association with attributes relevant to said user (col. 20, lines 40-46; col. 25, line 34-col. 26, line 8),

first receiving means for receiving, from a user terminal used by said user, a transmission request for transmission of said user registration form data(col. 26, lines 34-42), along with user terminal identification specifying said user terminal as an argument of a target destination of the registration server and said attributes (col. 26, line 65-col. 27, line 22),

selection means for selecting said user registration form data recorded in said recording means, based on said attributes received by said first receiving means (col. 27, lines 55-61; col. 28, line 57-col. 29, line 7),

first transmission means for transmitting said user registration form data selected by said selection means to said user terminal (col. 29, line 64-col. 30, line 8),

second receiving means for receiving said user profile data which specifies said user and which has been input from said user terminal based on said user registration form (col. 30, lines 8-21), and

second recording means for recording said user profile data in association with said user terminal identification specifying said user terminal used by said user (col. 30, lines 25-42).

9. Bayer did not teach a key server. Kalpio taught a key server and content server, the key server comprising:

third receiving means for receiving the user terminal identification from the user terminal (abstract; col. 4, lines 57-59), and

third transmission means for transmitting the target destination of the contents server which enables the user terminal to download contents from said contents server (abstract; col. 4, line 51-col. 5, line 2; col. 5, lines 61-64)

10. It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Bayer and Kalpio because Kalpio's teaching of a key server would increase the security of Bayer's system by authenticating the user's right to access the requested resource (abstract).

11. Bayer and Kalpio did not teach generating a key based on application identification. Shrader taught third receiving means for receiving the user terminal identification (receiving cookie value (client IP)) and an application identification (receiving cookie that accompanied the HTTP web transaction) from the user terminal (col. 7, lines 50-52, 55-58);

verifying means for verifying registration of the user terminal by comparing the user terminal identification received by the third receiving means (client IP accompanied by

Art Unit: 2152

transaction) with the user terminal identification stored (cookie IP that is stored) by the second recording means (col. 7, lines 55-58; col. 7, line 66-col. 8, line 2; col. 6, lines 66-67) (i.e., comparing client IP of web transaction with cookie values (client IP) stored in the logged-in LDAP user object that is accessible by the LDAP GUI code);

generating means for generating a key (extracting the username and password), used by the application to enable access to downloaded content from the content server (col. 6, lines 60-63), based on the application identification received by the third receiving means (col. 4, lines 35-41) (based on the cookie received, which identifies the web browser's transaction).

12. It would have been obvious to one having ordinary skill in the art at the time of the invention was made to combine the teachings of Bayer, Kalpio and Shrader because Shrader's teaching of generating a key would increase the security of Bayer's and Kalpio's systems by preventing an unauthorized user from capturing the cookie and using it with his or her web browser (col. 6, lines 64-66).

13. Although Shrader did not specifically teach transmitting the key, however, Shrader disclosed CGI ensures that the username and password (key) is still valid for the LDAP server (col. 7, lines 59-61). Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention was made to include transmitting a key to the server because by doing so it would increase the security of the system by allowing server to perform validation of a key.

Art Unit: 2152

14. Bayer, Kalpio and Shrader did teach transmitting a program for access to a server. Byrne taught transmitting a program for access to a key server (col. 4, lines 1-14).

15. It would have been obvious to one having ordinary skill in the art at the time of the invention was made to combine the teachings of Bayer, Kalpio, Shrader and Byrne because Byrne's teaching would make it easier for users of their system to download an access program electronically from a remote source.

16. As per claim 2, Bayer, Kalpio, Shrader, and Byrne taught the invention substantially as claimed in claim 1 above. Bayer further taught wherein the attributes include information indicating a language (col. 27, lines 9-22).

17. As per claim 3, Bayer, Kalpio, Shrader and Byrne taught the invention substantially as claimed in claim 1 above. Bayer further taught the attributes include information indicating a terminal device connected to said user terminal (col. 26, line 65-col. 27, line 22; col. 30, line 64-col. 31, line 3).

18. As per claim 6, Bayer taught the invention substantially as claimed comprising:  
a sending communications unit configured to send a transmission request for  
transmission of user registration form data along with user terminal identification  
information to a registration server, and to send user profile form data to the registration  
server (col. 26, lines 34-42; col. 26, line 65-col. 27, line 22);

a receiving communication unit configured to receive user registration form data for displaying a picture for inputting user profile data (col. 20, lines 40-46; col. 25, line 34-col. 26, line 8);

a display configured to display a picture for inputting the user profile data specifying a user for registration, in accordance with attributes relevant to the user (col. 20, lines 40-46; col. 25, line 34-col. 26, line 8); and

an input element configured to input the user profile data (it is inherent that the client computer must included input element, e.g. keyboard or mouse).

19. Bayer did not teach a key server. Kalpio taught an invention comprising:

to send user terminal identification information to a key server (abstract; col. 4, lines 57-59);

to receive a target destination of a contents server from a key server (abstract; col. 4, line 51-col. 5, line 2; col. 5, lines 61-64); and

a download unit configured to download contents from the contents server (abstract; col. 4, line 51-col. 5, line 2; col. 5, lines 61-64).

20. It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Bayer and Kalpio because Kalpio's teaching of a key server would increase the security of Bayer's system by authenticating the user's right to access the requested resource (abstract).



Art Unit: 2152

21. Bayer and Kalpio did not teach generating a key based on application identification.

Shrader taught to send user terminal identification information and application identification to a key server (col. 7, lines 50-52, 55-58) (to send cookie and cookie value); and to receive a key used by the application to enable access to downloaded content from the content server based on application identification (col. 6, lines 60-63; col. 4, lines 35-41).

22. It would have been obvious to one having ordinary skill in the art at the time of the invention was made to combine the teachings of Bayer, Kalpio and Shrader because Shrader's teaching of a key would increase the security of Bayer's and Kalpio's systems by preventing an unauthorized user from capturing the cookie value and using it with his or her web browser (col. 6, lines 64-66).

23. Bayer, Kalpio and Shrader did teach receiving a program for access to a server. Byrne taught receiving a program for access to a key server (col. 4, lines 1-14).

24. It would have been obvious to one having ordinary skill in the art at the time of the invention was made to combine the teachings of Bayer, Kalpio, Shrader and Byrne because Byrne's teaching would make it easier for users of their system to download an access program electronically from a remote source.

25. As per claims 7 and 8, Bayer taught the invention substantially as claimed comprising:

transmitting to a registration server a request for transmission of user registration form data along with user terminal identification specifying the user terminal (col. 26, lines 34-42; col. 26, line 65-col. 27, line 22);

receiving user registration form data from the registration server (col. 20, lines 40-46; col. 25, line 34-col. 26, line 8);

displaying a picture for inputting user profile data specifying a user for registration, in accordance with attributes relevant to the user (col. 20, lines 40-46; col. 25, line 34-col. 26, line 8);

inputting the user profile data specifying the user for registration based on the user registration form data (col. 30, lines 8-21); and

transmitting the user profile data entered by the inputting step to the registration server (col. 30, lines 8-30).

26. Bayer did not teach a key server. Kalpio taught a method comprising:
- transmitting to the key server the user terminal identification specifying the user terminal (abstract; col. 4, lines 57-59), and
- receiving from the key server a target destination of a contents server which enables the downloading of contents from the contents server (abstract; col. 4, line 51-col. 5, line 2; col. 5, lines 61-64).

27. It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of Bayer and Kalpio because Kalpio's teaching of a key

Art Unit: 2152

server would increase the security of Bayer's system by authenticating the user's right to access the requested resource (abstract).

28. Bayer and Kalpio did not teach generating a key based on application identification. Shrader taught transmitting to a key server the user terminal identification specifying the user terminal and an application identification (col. 7, lines 50-52, 55-58); and receiving a key used by the application to enable access to downloaded content from the content server (col. 6, lines 60-63), based on the application identification (col. 4, lines 35-41).

29. It would have been obvious to one having ordinary skill in the art at the time of the invention was made to combine the teachings of Bayer, Kalpio and Shrader because Shrader's teaching of a key would increase the security of Bayer's and Kalpio's systems by preventing an unauthorized user from capturing the cookie value and using it with his or her web browser (col. 6, lines 64-66).

30. Bayer, Kalpio and Shrader did teach receiving a program for access to a server. Byrne taught receiving a program for access to a key server (col. 4, lines 1-14).

31. It would have been obvious to one having ordinary skill in the art at the time of the invention was made to combine the teachings of Bayer, Kalpio, Shrader and Byrne because Byrne's teaching would make it easier for users of their system to download an access program electronically from a remote source.

## CONCLUSION

32. Applicant's arguments with respect to claims 1-8, filed 07/26/07, have been fully considered but are not persuasive.

33. In the remarks, applicant argued that:

(1) Shrader does not teach generating a key, used by the application to enable access to downloaded content from the content server, based on the application identification received by the third receiving means.


34. In response to point (1), Sharder teaches extracting username and password (generating a key) used by the web browser (application) to access LDAP GUI (server application), based on the cookie received from the user terminal (col. 6, lines 60-63).

35. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a). A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX

Art Unit: 2152

MONTHS from the mailing date of this final action. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Philip C Lee whose telephone number is (571)272-3967. The examiner can normally be reached on 8 AM TO 5:30 PM Monday to Thursday and every other Friday. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bunjob Jaroenchonwanit can be reached on (571) 272-3913. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

P.L.



BUNJOB JAROENCHONWANIT  
SUPERVISORY PATENT EXAMINER

10/14/7